

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 63161569  
PUBLICATION DATE : 05-07-88

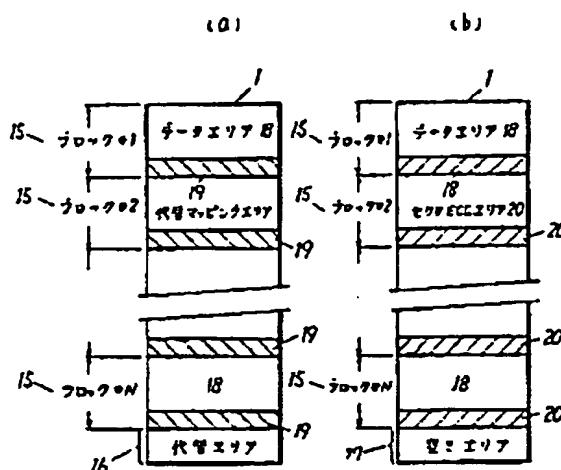
APPLICATION DATE : 24-12-86  
APPLICATION NUMBER : 61313904

APPLICANT : MATSUSHITA ELECTRIC IND CO LTD;

INVENTOR : HIGASHIYA YASUSHI;

INT.CL. : G11B 20/10 G11B 7/00

TITLE : OPTICAL INFORMATION RECORDING  
AND REPRODUCING DEVICE



ABSTRACT : PURPOSE: To improve the reliability of data reproduction for both a recording type optical disk and a reproduction only optical disk by adopting unifiedly the same track allocation for the handling of a defective sector of an optical disk.

CONSTITUTION: The type of an optical disk 1 is identified, and in case of the recording type optical disk as shown in figure (a), a spare area is used as an alternative sector 16 and a defective sector detected by a defect sector detecting means is substituted into the alternative sector 16 by a sector substituting means. In case of the reproduction only type optical disk as shown in figure (b), the spare area is used as a check sector recorded with a 2nd coded data in advance and if error correction disable state takes place by means of a 1st error control means at the reproduction of the sector for a data area 18 takes place, a 2nd error control means uses the check sector corresponding to the error sector to apply error correction. Since the same track location is applied unifiedly to handle a defective sector of both types of disks, the reliability of data recording/reproduction is improved for both the recording type optical disk and the reproduction only type optical disk.

COPYRIGHT: (C)1988,JPO&Japio